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# SAUERMANN CONDENSATE PUMP INSTALLATION INSTRUCTIONS FOR WHP/WCP 09-36

Part# 240-3351

## PUMP SPECIFICATIONS

1.5 GPH, 4 FT. MAX. LIFT, 50 FT. MAX. HORIZONTAL RUN

## SAFETY CONSIDERATIONS

Installing and servicing air-conditioning equipment can be hazardous. Only trained and qualified service personnel should install repair, or service air conditioning equipment.

**WARNING: Before removing any access panel, disconnect power to both indoor and outdoor units. Failure to do so could result in serious injury or electric shock.**

### PARTS INCLUDED

**KIT# 550-1009 (115V)**

109-4224...Sauermann Pump Mounting Strap (1)
201-21......3/8" #8 Screws (2)
207-06......Wire Ties (2)
240-2215...V" Single Wire Hose Clamp (1)
240-2200...1/2" I.D. x 3/4" O.D. Clear Hose, 8" length (1)
240-255....Small Popcorn Crimps (2)
240-3342...115V Sauermann Condensate Pump (1)
240-3344...1/4" I.D. x 3/8" O.D. Clear Hose, 5' length (1)
323-003....Insulation Tape, 3" length (!)

946048

**KIT# 550-1010 (208/230V)**

109-4224...Sauermann Pump Mounting Strap (1)
201-21......Screws (2)
207-06......Wire Ties (2)
240-2215...1/2" Single Wire Hose Clamp (1)
240-2200...1/2" I.D. x 3/4 O.D. Clear Hose, 8" length (1)
240-255....Small Popcorn Crimps (2)
240-3343...208/230V Sauermann Condensate Pump (1)
240-3344...1/4" I.D. x 3/8" O.D. Clear Hose, 5' length (1)
323-003....Insulation Tape, 3" length (1)

240-5929

**NOTE:** Please read the instructions included with the Sauermann Pump for reference but refer to these instructions for proper unit installation.

## TOOLS REQUIRED

Drill Bit-1/4" (1)
Nut Drivers-1/4" (1), 5/16" (1)

## INSTALLATION INSTRUCTIONS

1. Disconnect power to BOTH indoor and outdoor units.

   **NOTE:** For EMI Systems, 24v power supply is located in the Condensing Unit.

2. Remove Front Cover. [FIG. 1]
3. Remove Front Cabinet Assembly to expose Control Panel and components. [FIGS. 2, 3]
4. Remove Control Panel. [FIG. 4]
5. Clean inside surface of Control Panel with a 409-type Cleaner and apply Self-Adhesive Mounting Rail (included with Sauermann Pump). [FIG. 5]
6. Place Sump/Detection Unit in place on the Control Panel as shown. The unit will snap into place. [FIG. 6]
7. Remove the 1/2" Black Drain Hose from the Drain Pan.
8. Using the Single Wire Clamp, mount one end of the 8" x 1/2" I.D. x 3/4" O.D. Drain Hose to the Drain Pan and the other end to the Sump/Detection Unit. [FIG. 7]
9. Cut 6-3/8" section of 1/4" I.D. x 3/8" O.D. Hose and use it to connect the Sump/Detection Unit to the Pump Unit. [FIGS. 8,11,12]
10. Use the template on Page 7 to mark hole locations for mounting the Pump Unit to the Panel. [FIG. 9]
11. Before installing the Pump Unit, adhere the 3"length of Armaflex to the Panel as shown. [FIG. 10]
12. Mount the Pump on top of the Armaflex as shown. [FIGS. 11,13]

    **NOTE;** Pump discharge must point to the top of the unit.

13. Connect additional 1/4" x 3/8" O.D. Hose to discharge of Pump Unit. [FIG. 11]
14. Fasten the Pump Mounting Strap to the unit by using the 2 #8 screws from the outside face of the Panel. [FIG. 12]

    **NOTE:** Be sure the hose is not kinked and all connections are watertight.

15. Route Condensate Hose along the Distributor and secure with wire ties. [FIG. 13]

    **NOTE:** Keep Hose away from all Electrical Components!!

16. Wire the Pump according to the provided Wiring Diagram.

    **NOTE:** For units equipped with Unit-Mounted Digital Controls, use Wire Diagram# 614-1794. For units with optional Remote Wall Thermostat Controls, use Wire Diagram 614-1795.

17. Wire Tie all loose ends.
18. Test the unit to ensure proper operation.

# SAUERMANN PUMP INSTALLATION INSTRUCTIONS FOR WHP/WCP 09-36

**NOTE:** Your model MAY or MAY NOT have a transformer.

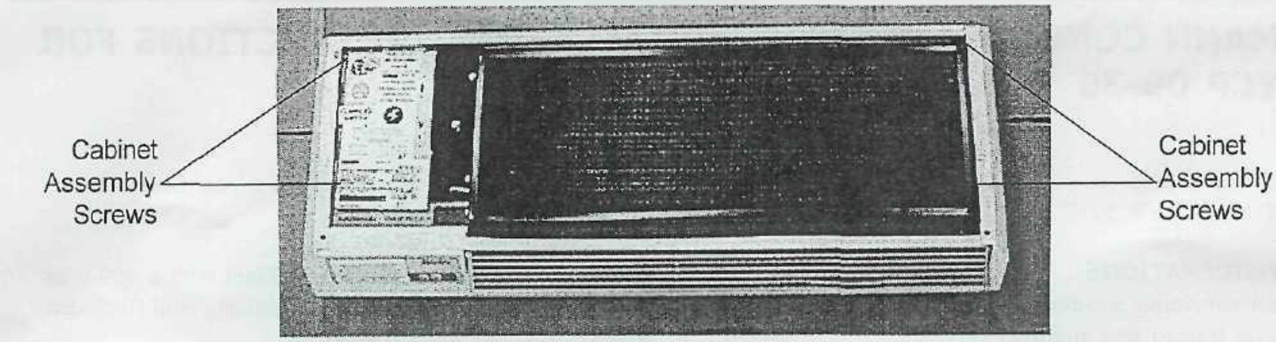



**Fig. 1-** View Of Unit With Front Cover Removed.

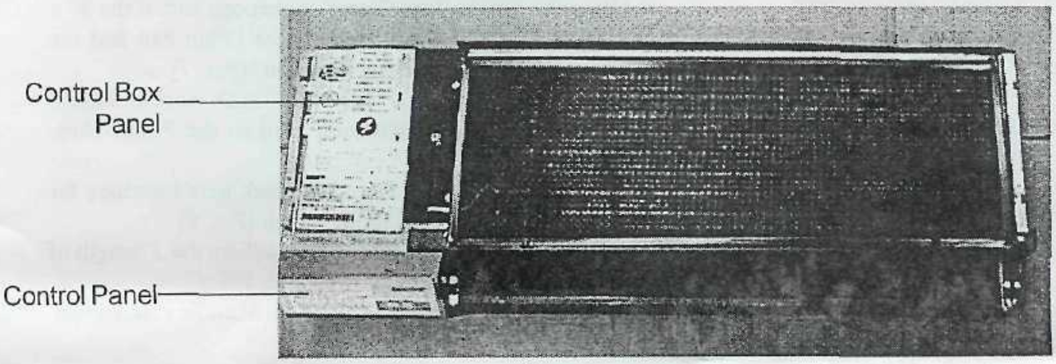



**Fig. 2-** View Of Unit With Cabinet Assembly Removed.

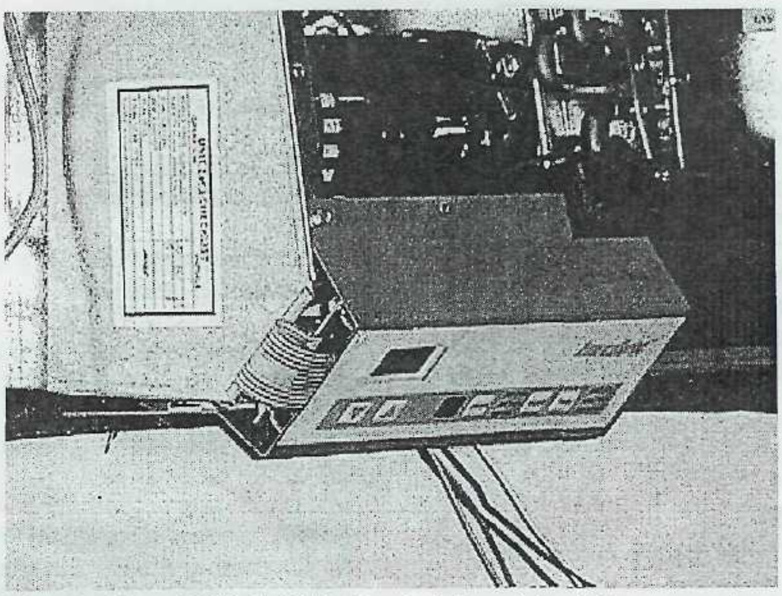


**Fig. 3-** View Of Unit With Control Panel And Components Exposed.

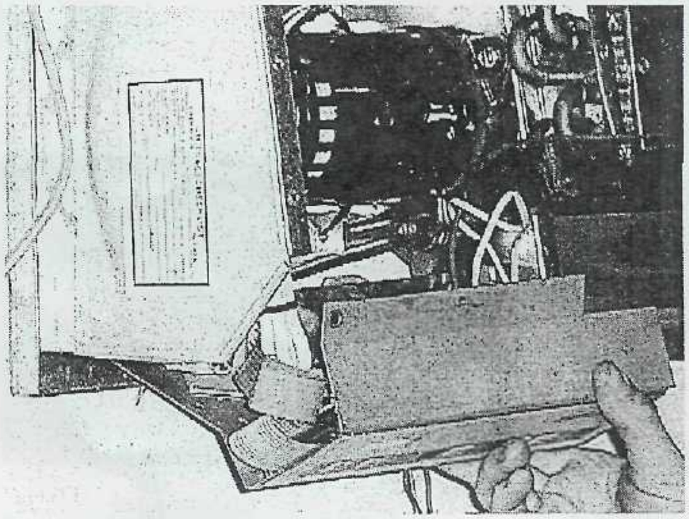


**Fig. 4-** Remove Control Panel.

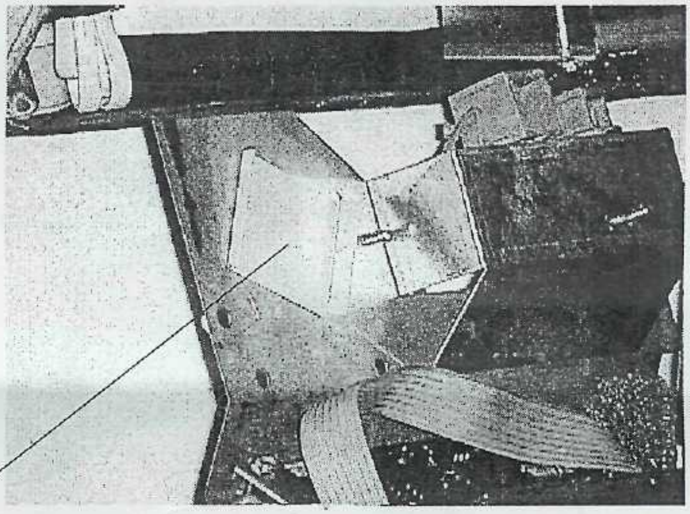


**Fig. 5-** Self-Adhesive Mounting Rail Applied.

These parts included with Sauermann Pump

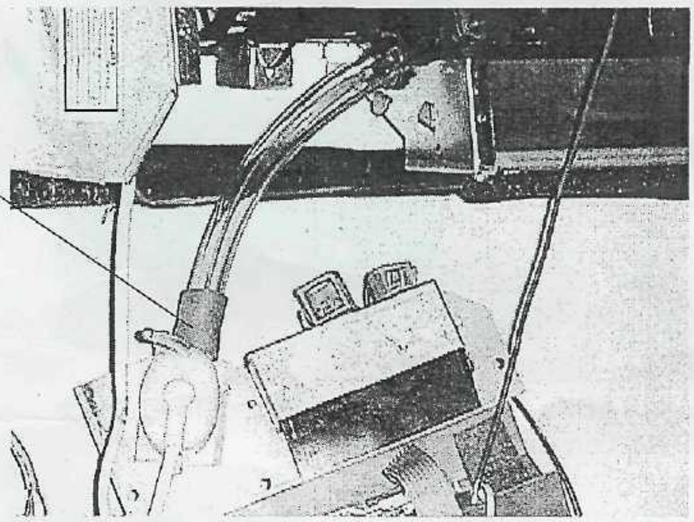


**Fig. 6-** Sump/Detection Unit Installed On Control Panel.

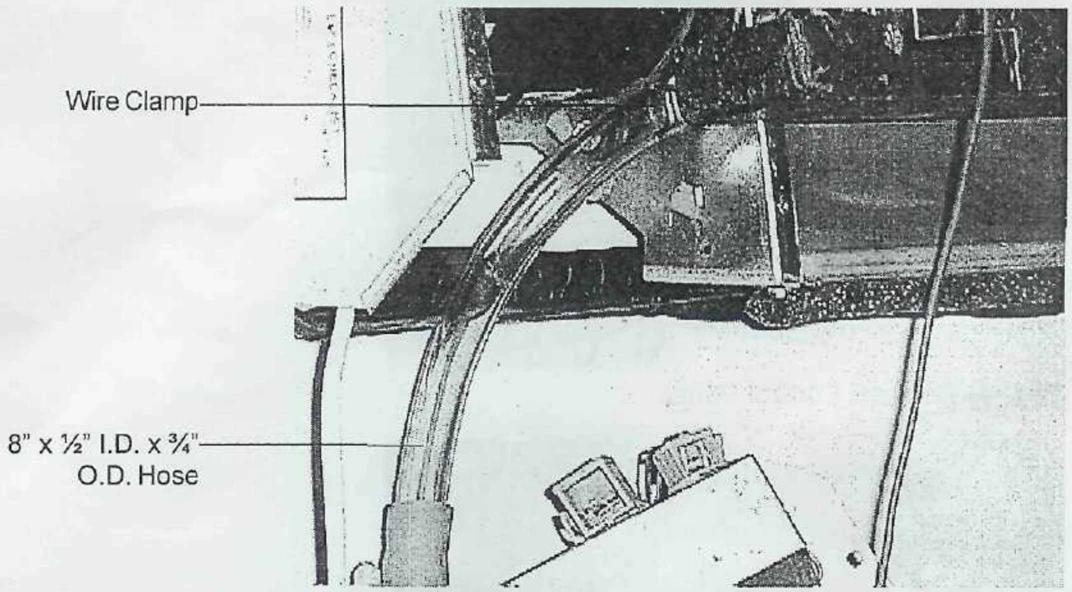



**Fig. 7-** 8" x ½" I.D. x ¾" O.D. Drain Hose Mounted To Drain Pan And Sump/Detection Unit With Single Wire Clamp.

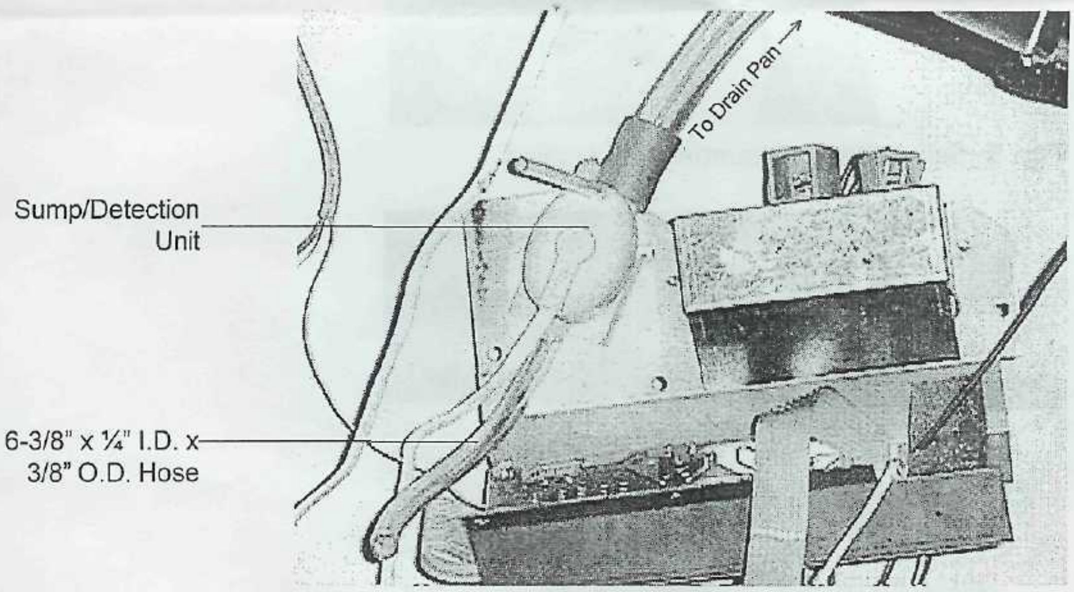



**Fig. 8-** ¼" I.D. x 3/8/" O.D. Hose Added To Connect Sump/Detection Unit To Pump Unit.

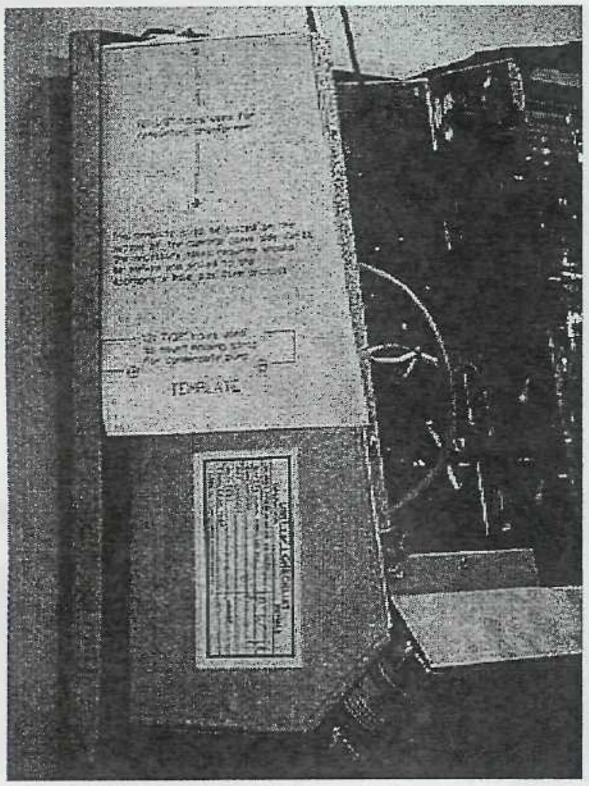



**Fig. 9-** Proper Use Of Template#1 For Mounting Pump Unit To Panel.

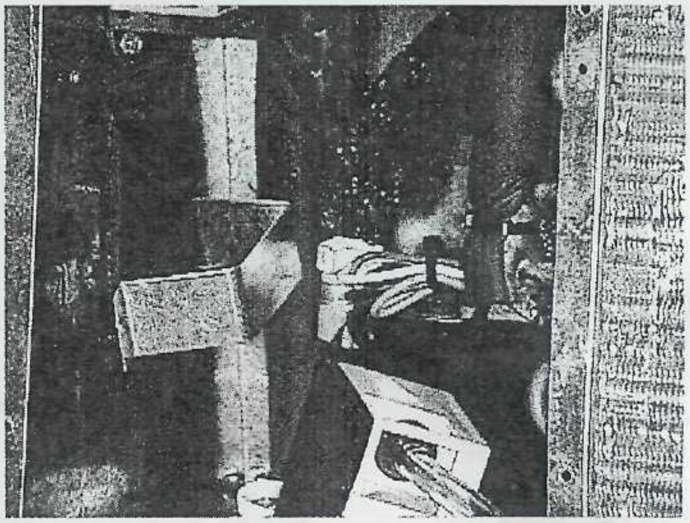


**Fig. 10-** 3" Length Of Armaflex Adhered To Panel Prior To Pump Unit Installation.

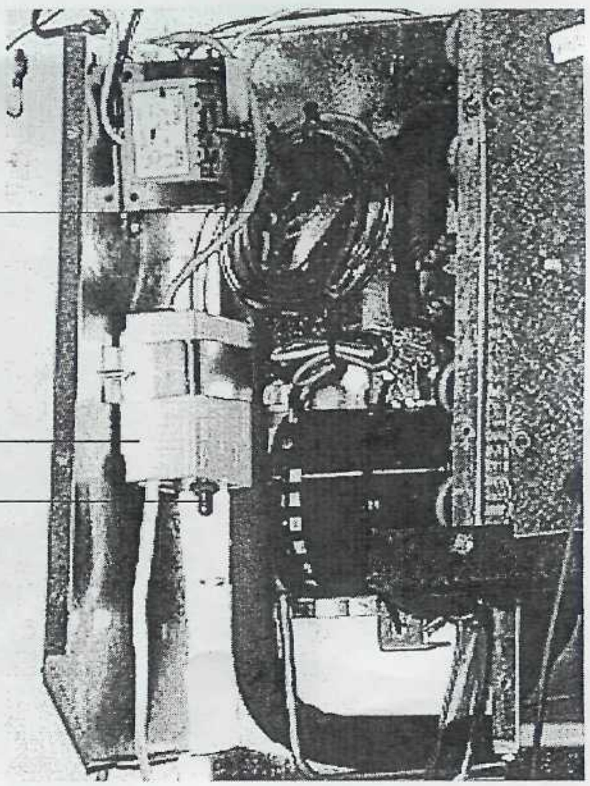



**Fig. 11-** View Of Pump Mounted On Unit.

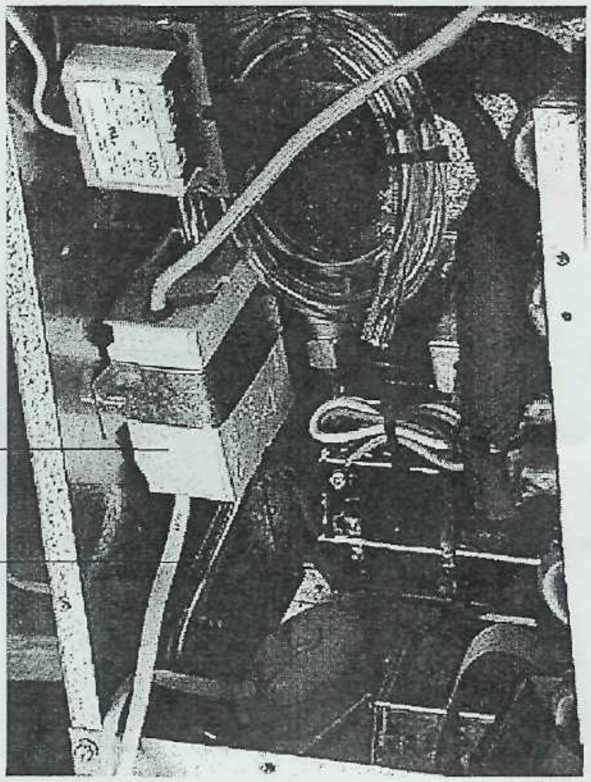



**Fig. 12-** Fasten Pump Mounting Strap To Unit With Screws From Panel.

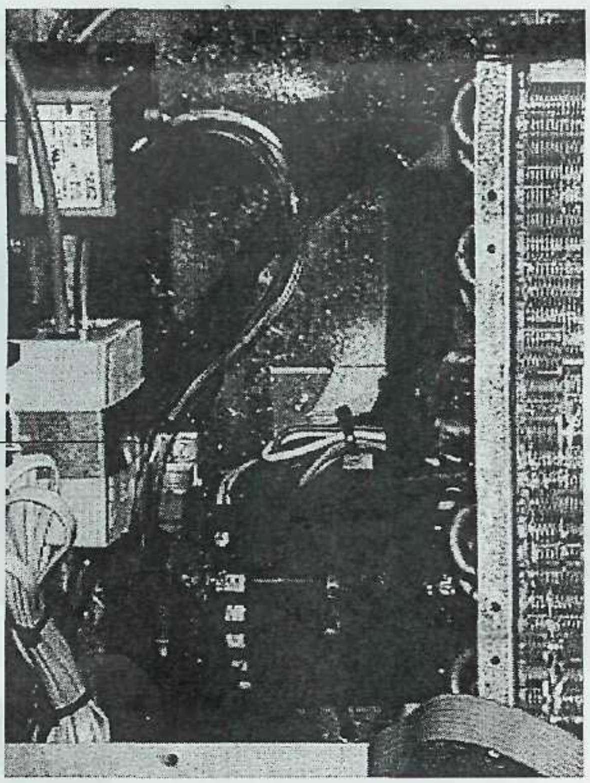
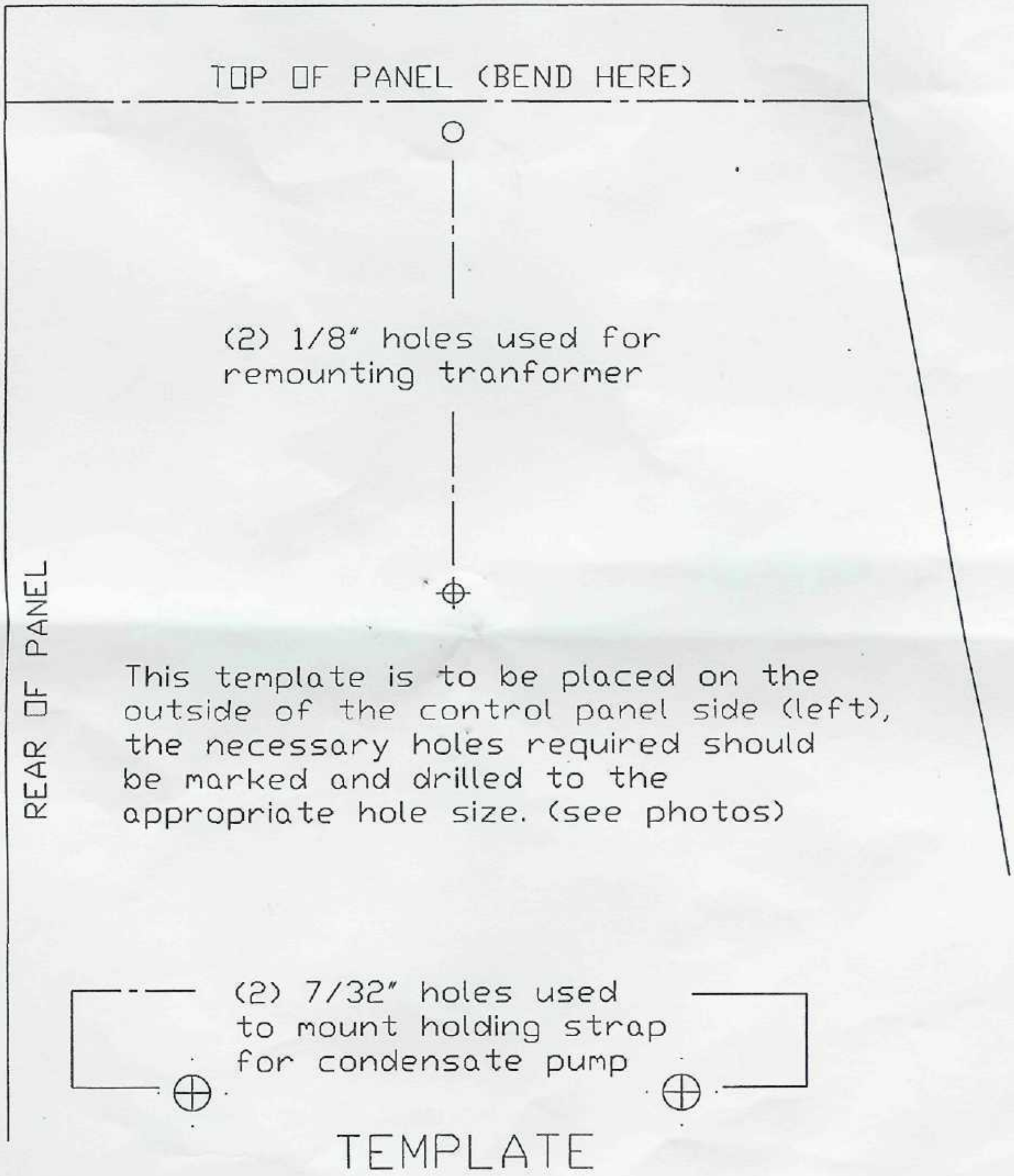



**Fig. 13-** Route Drain Hose Along Distributor Through Back Of Unit & Keep Away From All Electrical Components.

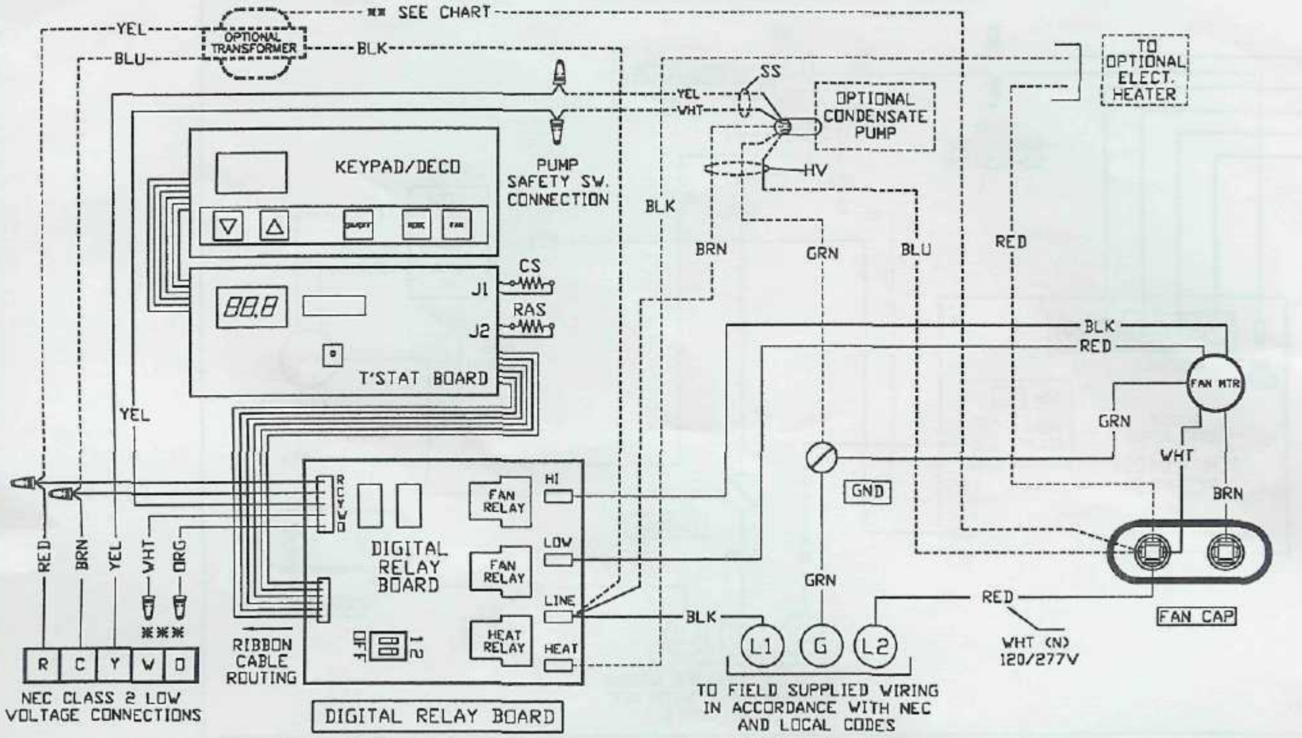
## SAUERMANN PUMP INSTALLATION INSTRUCTIONS

(TEMPLATE#1)

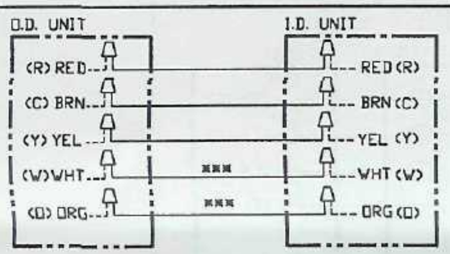


E M I WIRING DIAGRAM REVISION: P/N: 614001794

WHP,B/C 12-36 W/ U/M CONTROLS, (OPTIONAL ELECT. HEAT, COND. PUMP AND TFMR.)




DIGITAL RELAY BOARD




MODEL WHP

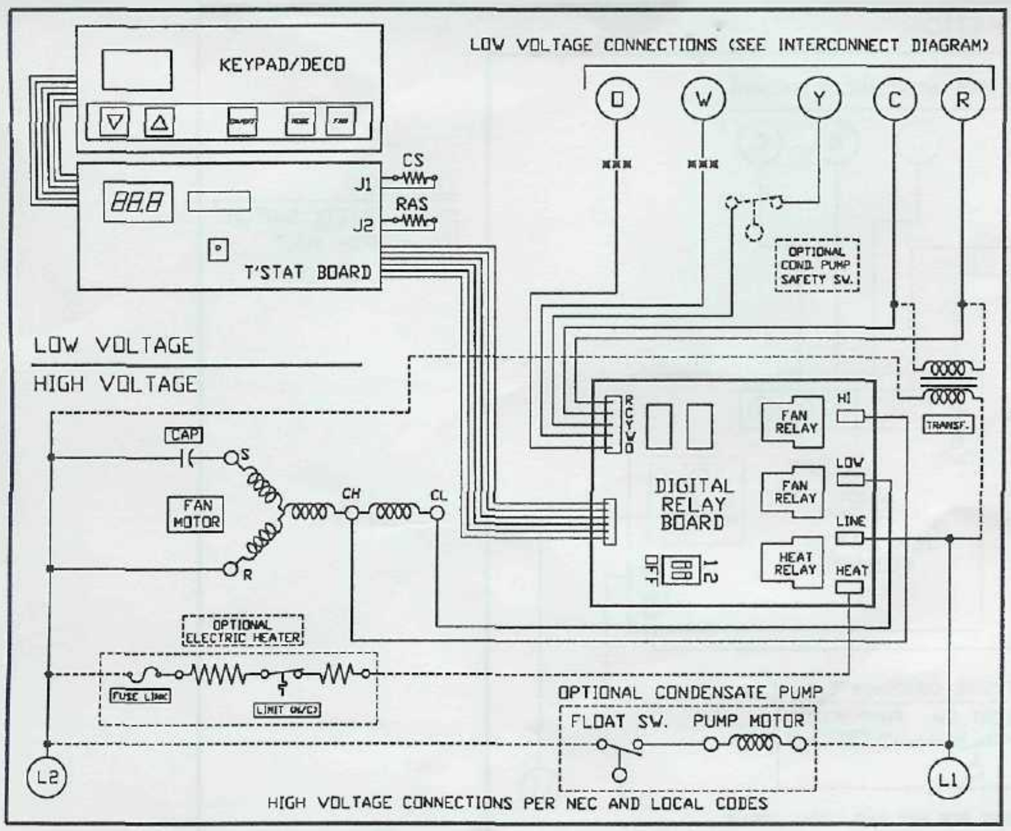
LOW VOLTAGE INTERCONNECT DIAGRAM

*** CONNECTIONS ONLY FOR HEATPUMP

DIP SWITCH SETTINGS

| SWITCH | 1 | 2 |
|---|---|---|
| COOLING ONLY | OFF | OFF |
| COOL/ELECT. | ON | ON |
| ALL HEAT PUMPS | OFF | ON |

WIRING SCHEMATIC




LEGEND

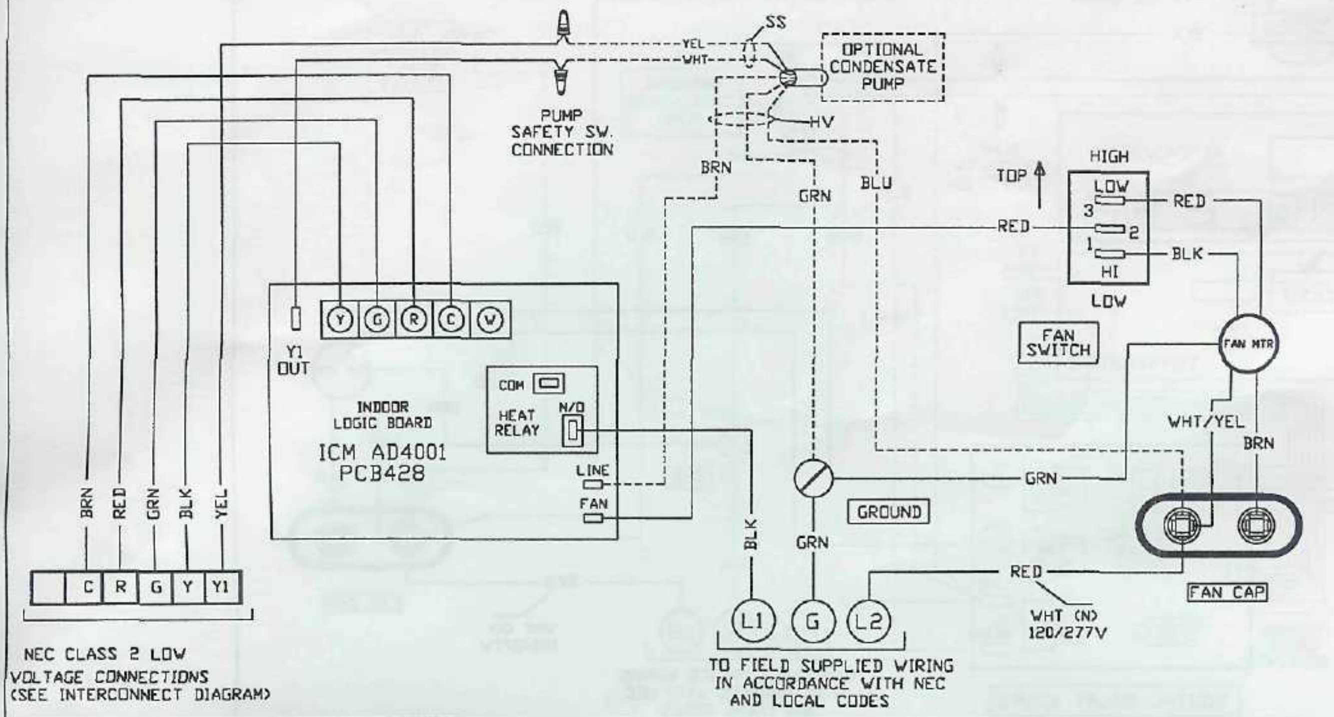
SS = SAFETY SWITCH
HV = HIGH VOLT
CS = COIL SENSOR
RAS = ROOM AIR SENSOR
------ = OPTIONAL

**
OPTIONAL TRANSFORMER WIRING

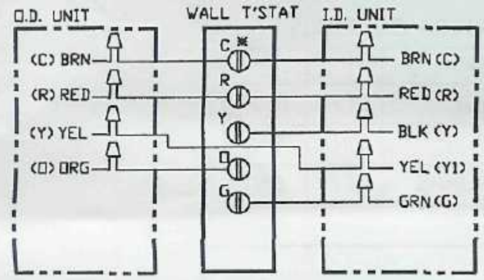
RED = 208 VOLT
ORG = 230 VOLT
BRN = 265 VOLT

E M I WIRING DIAGRAM REVISION: P/N: 614001795

# WHP W/ REMOTE T'STAT AND OPTIONAL CONDENSATE PUMP



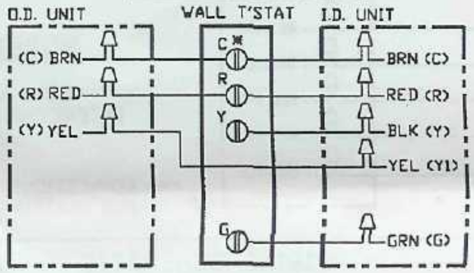

## HEAT PUMP



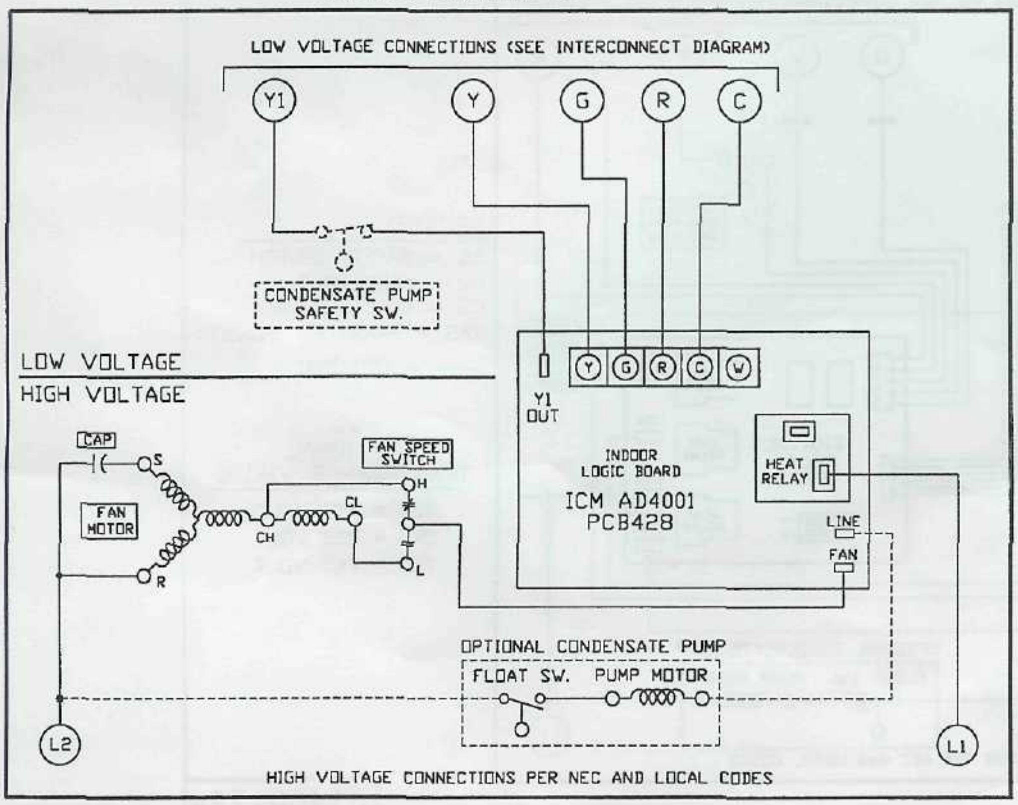

LOW VOLTAGE INTERCONNECT DIAGRAM

*SOME T'STATS MAY NOT HAVE A "C" TREMINAL

## STRAIGHT COOL




## WIRING SCHEMATIC




LEGEND

SS = SAFETY SWITCH

HV = HIGH VOLT

----- = OPTIONAL

614001795